

2024 4 15



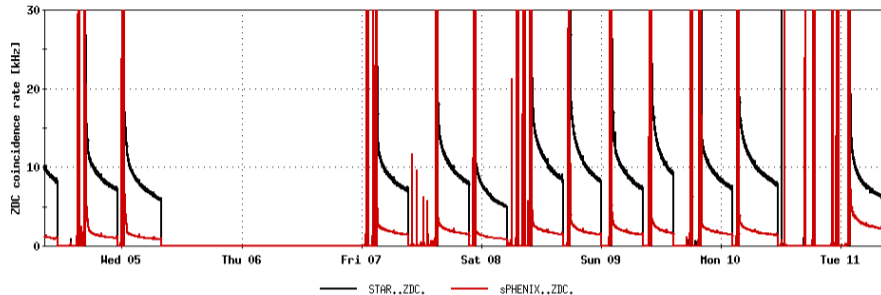
RHIC Status

Kiel Hock

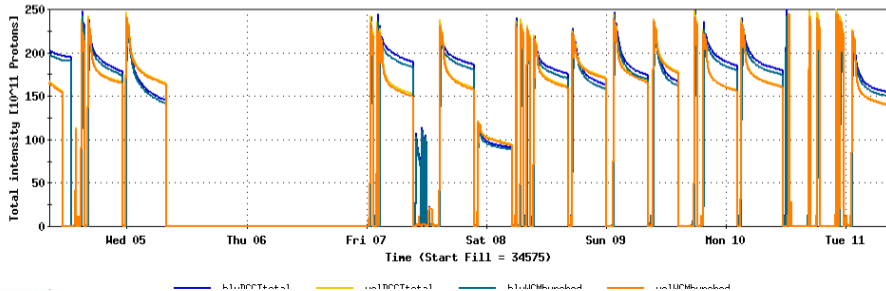
Time Meeting
June 11, 2024



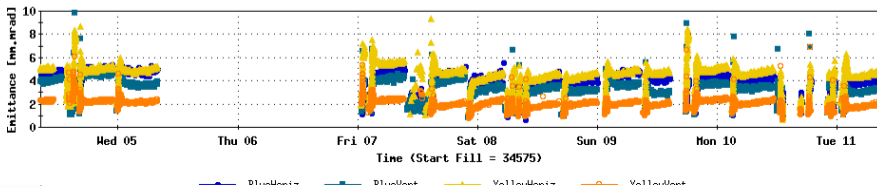
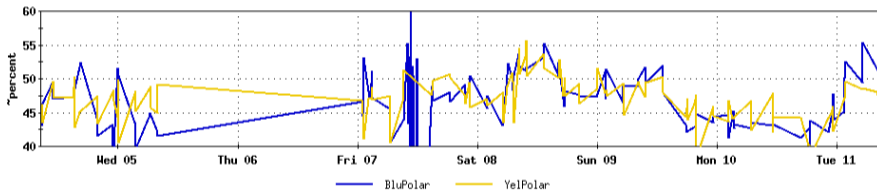
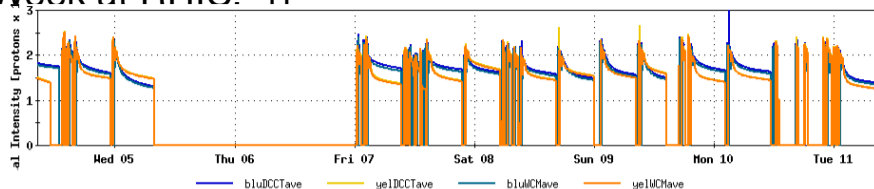
Last Week at RHIC



RHIC Beam Intensity



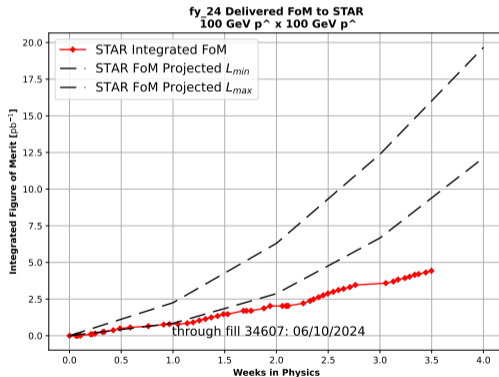
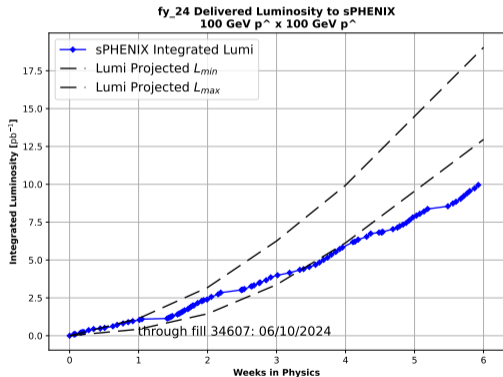
Last Week at RHIC. II



RHIC status and Lumi Projections

→ 111x111 physics running since 4/30.

Preliminary luminosity accounting



RHIC Status

- physics running with 2.0×10^{11} /bunch at store
- we are now at the end of the "ramp up" period so luminosity projections are constant
- integrated luminosity still a factor of 2 off from best Run15 stores
- polarization up into the 40-55%, equal in both rings following MD last week
 - blue ν_s moved down 0.015 to get in range of 0.5 to 0.5025
- RHIC has been ODH1 for the last week, requiring additional work planning and PPE for entrance
- AGS MMPS exciter PS had failed resulting in almost 24 hours of downtime (two circuit boards replaced).
- Both 56 MHz FPCs have been fully inserted
- power dip Sunday due to bad termination on 138 kV line.
- cold snake has increase heat load
 - warmup tomorrow to try and clear possibly contaminants from cold head 5
- APEX Tomorrow, 6/12